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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/820,902	03/30/2001	Elizabeth A. Roberts	10002645-1	4437

7590 07/06/2004  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER

TRAN, QUOC A

ART UNIT PAPER NUMBER

2176

DATE MAILED: 07/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/820,902

Applicant(s)

ROBERTS ET AL.

Examiner

Quoc A. Tran

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This action is responsive to application filed 03/30/2001.
2. Claims 1-20 are currently pending in this application. Claims 1, 12, and 18-20 are independent claims.
3. If a copy of a provisional application listed on the bottom portion of the accompanying Notice of References Cited (PTO-892) form is not included with this Office action and the PTO-892 has been annotated to indicate that the copy was not readily available, it is because the copy could not be readily obtained when the Office action was mailed. Should applicant desire a copy of such a provisional application, applicant should promptly request the copy from the Office of Public Records (OPR) in accordance with 37 CFR 1.14(a)(1)(iv), paying the required fee under 37 CFR 1.19(b)(1). If a copy is ordered from OPR, the shortened statutory period for reply to this Office action will not be reset under MPEP § 710.06 unless applicant can demonstrate a substantial delay by the Office in fulfilling the order for the copy of the provisional application. Where the applicant has been notified on the PTO-892 that a copy of the provisional application is not readily available, the provision of MPEP § 707.05(a) that a copy of the cited reference will be automatically furnished without charge does not apply.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1- 5, and 18 are rejected under 35 U.S.C. 102(b) as being unpatentable by Matthews et al. (hereinafter Matthews)“Complete Reference FrontPage 2000” (Public Release 1999, By Osborn/McGraw-Hill, Ca, USA).**

In regard to independent claim 1, *“generating an edit interface in response to a selection of a structured document template from a plurality of structured document template”, as taught by Matthews pages 66-67 (i.e. ... Page view allows you to create and edit a web page by adding and laying out formatted text, pictures...you can use page wizards, templates...), “displaying said edit interface and a plurality of document elements associated with said edit interface; modifying said edit interface by dragging and dropping a selected document element of said plurality of document elements; and generating an output structured document from said edit interface in response to a generation command”, as taught by Matthews pages 437-441 (i.e. ... importing a file onto a new page...double-click the file with Word icon in Folders view of FrontPage Microsoft Word will load, and the file will be displayed and ready to edit ... (Figure 12.1, 12-5 through 12-12)... will load, and file will be displayed...Drag and Drop...).*

**In regard to dependent claim 2,** *"providing a template selection user interface including a dialog box, a folder, and a pull down menu, wherein said template selection user interface is configured to select said one structured document template from said plurality of structured document templates",* as taught by Matthews pages 437-438 (i.e. ... in FrontPage folders...dialog box...drop-down list... double-click the file with Word icon in Folders view of FrontPage Microsoft Word will load, and the file will be displayed and ready to edit... ).

**In regard to dependent claim 3,** *"providing a plurality of existing output structured documents by said template selection user interface; and selecting an existing output structured document from said plurality of existing output structured documents",* as taught by Matthews pages 450-452 (i.e.... import home page... Figures 12-18 through 12-19).

**In regard to dependent claim 4,** "The method according to claim 3, wherein said step of generating said edit interface further comprises: generating said edit interface from a selected existing output structured document, wherein said edit interface includes user-input data previously stored with said existing output structured document", as taught by Matthews pages 450-452 (i.e....links to all the HTML pages...files...import home page...Figures 12-18 through 12-19).

**In regard to dependent claim 5,** *"wherein each of said plurality of structured document templates includes a document type definition",* as taught by Matthews pages 525-526 (i.e....cards catalog...library's collection...Document Type Definition(DTD)...).

**In regard to independent claim 18**, is directed to a program storage device for performing the method of claim 1, and is similarly rejected along the same rationale.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 6-17, and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable by Matthews et al. (hereinafter Matthews) "Complete Reference FrontPage 2000" (Public Release 1999, By Osborn/McGraw-Hill, Ca, USA), in view of Kutay et al. US Pub No. 2002/0026461 A1 filed 6/5/2001- provisional filed 06/05/2000 (hereinafter '461).**

**Claim 6 is representing of claims 7-11,**

**In regard to dependent claim 6**, Matthews does not explicitly teach, *"utilizing a corresponding document type definition for said selected structured document template to generate a memory model; parsing said memory model for a plurality of required document elements; generating said edit interface including said plurality of required document elements, each said document element requiring an input of information; and outputting said generated edit interface to a user interface editor"*, however ' 461 taught

at page 4, paragraphs [0062] through [0063] (i.e..... user interface module 222 further includes a view editor 433 to create one or more views ... from a source Document Type Definition (DTD), for example XML, to a target DTD, for example HTML, and to present the document to users in the target format defined by the target DTD... user interface module 222 further includes templates 440. The editors within user interface module 222 use templates 440 to create or define corresponding structures for the application 400...).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teaching of Matthews that show a user interface module for a corresponding document type definition to generate a memory model; for required document elements, each document element requiring an input of information; and outputting said generated edit interface to a user interface editor. One of ordinary skill would be motivated to perform such a modification to enable a user to create the source document in a source format defined by a source document type definition, so that the user can quickly, edit, and output a large number of information items that are deemed to be of relevance and interest, as taught by '461 at page 1, paragraphs [0003] through [0006], "... construction user interface area is presented to enable a user to create the source document in a source format defined by a source document type definition ...".

**In regard to dependent claim 7, "The method according to claim 6, wherein said step of generating said edit interface further comprises: embedding said corresponding document type definition of said selected one structured document template within said edit interface",** as taught by '461 at page 4, paragraph [0063], "...



user interface module 222 further includes templates 440. The editors within user interface module 222 use templates 440 to create or define corresponding structures for the application 400".

**In regard to dependent claim 8,** *"The method according to claim 7, wherein said step of modifying said edit interface further comprises: receiving user-input modification data; determining a compliance of said user-input modification data with said memory model; and modifying said edit interface with said user-input modification data in response to said compliance of said user-input modification data",* as taught by '461 at page 4, paragraphs [0064] through [0070], " ... receiving multiple input parameters from user... perform specific logic tasks. ... Each response 520 represents a result of process 428 and is returned to an action 434 that invoked the process 428.... the action 434 that triggered the process 428 associates each response 520 to a view 432 to be transmitted back to user 205...each input parameter in the process data model structure 425 is mapped to a query parameter in a pre-defined data structure ".

**In regard to dependent claim 9,** incorporate substantially similar subject matter as cited in dependent claim 8 above, and in further view of the following, and is similarly rejected along the same rationale;

*"generating an output structured document memory model utilizing said user-input document element information for each of said plurality of required document elements and for each said selected optional document element",* as taught by Matthews pages 450-453 (i.e.... import files in a browser... Figures 12-18 through 12-19).

**In regard to dependent claim 10**, incorporate substantially similar subject matter as cited in claims 6-8, and is similarly rejected along the same rationale.

**In regard to dependent claim 11**, incorporate substantially similar subject matter as cited in claims 6-8 above, and in further view of the following, and is similarly rejected along the same rationale;

*"outputting including one of ... document management service"*, '461 at page 2, paragraph [0037] (i.e.... a server computer system 104...).

**In regard to independent claim 12**, is directed to a system for performing the method of claims 1, 11, and is similarly rejected along the same rationale.

**In regard to dependent claim 13**, is directed to a system for performing the method of claims 2, 7, and is similarly rejected along the same rationale.

**In regard to dependent claim 14**, is directed to a system for performing the method of claim 6, and is similarly rejected along the same rationale.

**In regard to dependent claim 15**, is directed to a system for performing the method of claim 7, and is similarly rejected along the same rationale.

**In regard to dependent claim 16**, is directed to a system for performing the method of claim 8, and is similarly rejected along the same rationale.

**In regard to dependent claim 17**, is directed to a system for performing the method of claim 9, and is similarly rejected along the same rationale.

**In regard to independent claim 19**, incorporate substantially similar subject matter as cited in claims 1, 2, and 6 above, and is similarly rejected along the same rationale.

**In regard to independent claim 20**, incorporate substantially similar subject matter as cited in claims 1, 6 above, and in further view of the following, and is similarly rejected along the same rationale;

*"displaying said plurality of optional document elements, each optional document element being displayed as a corresponding document element icon in said edit interface; and displaying said plurality of element tags, each element tag being displayed as a corresponding element tag icon in said edit interface"*, 461 at page 9, paragraphs [0151] through [0155] (i.e.... generated tag displayed in window 1206 and drops it on a node displayed within window 1207, ... Show Mapping button 1208 within interface 1200 to map the input from the view 432 to the process data model structure 425... [0159] Referring to FIG. 13A, in one embodiment, user 205 selects the Options tab 1302 within interface 1300. In window 1306, user 205 selects each response 520 with a mouse click and selects a corresponding view for the response 520 from a drop-down list 1307 containing views 432. ...).

### **Conclusion**

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Rajan et al U.S. Patent No. 6,725,425 B1 issued 04/20/2004 filed 03/22/2000

Alexander U.S. Patent No. 6,732,331 B1 issued 05/04/2004 filed 02/15/2000

Wynblatt et al. U.S. Patent No. 6,665,836 B1 issued 12/16/2003 filed 06/17/1998

Nehab et al. U.S. Patent No. 6,029,182 issued 02/22/2000 filed 10/04/1996

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is (703) 305-8781. The examiner can normally be reached on Monday through Friday from 8:30AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (703) 305-9792. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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**Quoc A. Tran**  
**Patent Examiner**  
**Technology Center 2176**  
**June 23, 2004**

  
**JOSEPH FEILD**  
**SUPERVISORY PATENT EXAMINER**